

## Title (en)

RESIN COMPOSITION, PREPREG, RESIN SHEET, AND METAL FOIL-CLAD LAMINATE

## Title (de)

HARZZUSAMMENSETZUNG, PREPREG UND HARZFOLIE SOWIE METALLFOLIENBESCHICHTETES LAMINAT

## Title (fr)

COMPOSITION DE RÉSINE, PRÉIMPRÉGNÉ, FEUILLE DE RÉSINE ET STRATIFIÉ REVÊTU D'UNE FEUILLE MÉTALLIQUE

## Publication

**EP 2832797 B1 20170215 (EN)**

## Application

**EP 13769799 A 20130314**

## Priority

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## Abstract (en)

[origin: EP2832797A1] The present invention provides a resin composition that not only has high flame retardancy but also has excellent heat resistance, peel strength with copper foil, thermal expansion coefficient, heat resistance property upon moisture absorption, and electrical properties, a prepreg and a single-layer or laminated sheet using the same, a metal foil-clad laminate using the prepreg, and the like. The resin composition of the present invention is a resin composition having polyphenylene ether (A) having a number average molecular weight of 500 to 5000, a phosphorus-containing cyanate ester compound (B) represented by the following formula (13), a cyclophosphazene compound (C), a halogen-free epoxy resin (D), a cyanate ester compound (E) other than the phosphorus-containing cyanate ester compound (B), an oligomer (F) of styrene and/or substituted styrene, and a filler (G), wherein a content of the phosphorus-containing cyanate ester compound (B) is 1 to 10 parts by mass based on 100 parts by mass of a total of the (A) to (F) components. wherein m represents an integer of 1 to 3.

## IPC 8 full level

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**B32B 15/08** (2013.01 - EP KR US); **B32B 15/14** (2013.01 - EP US); **B32B 27/00** (2013.01 - KR); **C08F 283/08** (2013.01 - KR); **C08G 65/335** (2013.01 - KR); **C08J 5/24** (2013.01 - KR); **C08J 5/244** (2021.05 - EP US); **C08J 5/249** (2021.05 - EP US); **C08K 3/013** (2017.12 - KR); **C08K 3/36** (2013.01 - EP KR US); **C08K 5/5399** (2013.01 - KR); **C08L 25/04** (2013.01 - KR); **C08L 25/06** (2013.01 - EP US); **C08L 63/00** (2013.01 - KR US); **C08L 63/04** (2013.01 - EP US); **C08L 71/12** (2013.01 - KR US); **C08L 71/126** (2013.01 - EP US); **H05K 1/0353** (2013.01 - EP US); **H05K 1/0373** (2013.01 - KR); **H05K 1/056** (2013.01 - US); **H05K 3/44** (2013.01 - US); **B32B 2260/046** (2013.01 - EP US); **B32B 2305/076** (2013.01 - EP US); **C08J 2371/12** (2013.01 - EP KR US); **C08J 2425/06** (2013.01 - EP US); **C08J 2463/04** (2013.01 - EP US); **C08J 2475/00** (2013.01 - EP US); **C08J 2485/02** (2013.01 - EP US); **C08K 5/315** (2013.01 - EP US); **C08K 5/5313** (2013.01 - EP US); **C08K 5/5399** (2013.01 - EP US); **C08L 2201/02** (2013.01 - EP US); **C08L 2203/206** (2013.01 - US); **C08L 2205/035** (2013.01 - EP US); **H05K 1/0366** (2013.01 - EP US); **H05K 2201/0209** (2013.01 - EP US); **H05K 2203/06** (2013.01 - US); **Y10T 156/10** (2015.01 - EP US); **Y10T 428/31511** (2015.04 - EP US); **Y10T 428/31522** (2015.04 - EP US); **Y10T 428/31529** (2015.04 - EP US)

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